Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. – 3. (Canceled)

4. (Currently Amended) ~~The method according to claim 1~~ A method of determining a DC offset in a communications signal received via a communications channel, the communications signal comprising a sequence of training symbols; the method comprising:

providing a channel estimate of the communications channel based on said sequence of training symbols;

determining, based on the channel estimate, an estimate of a noise contribution introduced by the communications channel; and

determining an estimate of the DC offset from the determined estimate of the noise contribution, wherein the step of determining an estimate of the DC offset from the determined estimate of the noise contribution comprises calculating an inner product of a rotation trend vector and an estimated noise vector representing the determined estimate of the noise contribution.

5. – 8. (Canceled)

9. (Currently Amended) The method according to claim [[1]] 4, wherein the communications signal comprises a signal in accordance with the GSM specifications.

10.   (Currently Amended) The method according to claim [[1]] 4, wherein the communications signal comprises a signal in accordance with the EDGE specifications.

11. – 12.   (Canceled)

13. (Currently Amended) An arrangement for determining a DC offset in a communications signal received via a communications channel, the communications signal comprising a sequence of training symbols; the arrangement comprising;

processing means adapted to provide a channel estimate of the communications channel based on said sequence of training symbols;

processing means adapted to determine, based on the channel estimate, an estimate of a noise contribution introduced by the communications channel; and

processing means adapted to determine an estimate of the DC offset from the determined estimate of the noise contribution, wherein the processing means adapted to determine an estimate of the DC offset from the determined estimate of the noise contribution calculates an inner product of a rotation trend vector and an estimated noise vector representing the determined estimate of the noise contribution.

14. (Currently Amended) [[A]] The arrangement of claim 13, implemented in a receiver for receiving a communications signal via a transmission channel, the receiver comprising means for receiving a communications signal and an arrangement for determining a DC offset in the communications signal according to claim 13.

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